

COMPUTING Long Term Planning - Summary of YEAR 5 Units

AUTUMN 1	AUTUMN 2
<p><u>Online Safety</u></p> <ul style="list-style-type: none"> • Children will develop a more matured knowledge of the dangers and risks of sharing and looking at inappropriate online material. • Children will be able to make links to how our behaviour and conduct online can affect others' mental wellbeing, and are given scenarios to discuss. • Children will understand the importance of reporting inappropriate online behaviour of others to a trusted adult, and can explain why their right to personal privacy is so important. 	<p><u>Spreadsheets</u></p> <ul style="list-style-type: none"> • Children will build on their knowledge of collecting and analysing data via an online platform such as Purple Mash, and build on their understanding of using formula. • Children will become more aware of the importance of checking their work to ensure that it has been inputted correctly.
SPRING 1	SPRING 2
<p><u>Game Creation</u></p> <ul style="list-style-type: none"> • Children will be able to use the guided sessions on Purple Mash to apply prior learning from previous years in order to create their own game. • Children will be able to write algorithms, and can use sequence, repetition and selection (see PM vocabulary sheets for definitions) in their code. 	<p><u>Coding</u></p> <ul style="list-style-type: none"> • Children will be able to make more complex, real-life problems into algorithms for a program within 2Code on Purple Mash. • Children will be able to translate and read algorithms with increasing ease. • Children will be able to debug with increasing efficiency.
SUMMER 1	SUMMER 2
<p><u>Word Processing with Google Docs</u></p> <ul style="list-style-type: none"> • Children will be able to work on their word processing skills via Google Docs. • Children will be able to identify and use the key functions in order to produce a document for a specific purpose (cross curricular writing). • Children will be able to build on their prior learning from Year 4, using formatting to create a piece of writing fit for a specific purpose/ audience. 	<p><u>3D Modelling</u></p> <ul style="list-style-type: none"> • Via real life examples, children will explore the possibilities of 3D printing and the endless opportunities this provides designers. • Children will be able to create a research project using the internet to find out some technological advancements that have been made due to 3D printing. • Children will be able to create a blue print style design for a 3D model.